

Name : _____

Score : _____

Teacher : _____

Date : _____

Simplifying Radical Expressions

Simplify each Radical Expression. If necessary use absolute value signs.

1) $\sqrt[4]{112z^7k^5}$

6) $\sqrt[4]{81}$

2) $\sqrt[3]{40}$

7) $\sqrt{245}$

3) $\sqrt{243c^5}$

8) $\sqrt{75w^7t^5}$

4) $\sqrt[3]{875p^4x^2}$

9) $\sqrt[4]{567k^3}$

5) $\sqrt[5]{1215n^4}$

10) $\sqrt[5]{243g^5}$



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Simplifying Radical Expressions

Simplify each Radical Expression. If necessary use absolute value signs.

$$1) \sqrt[4]{112z^7k^5}$$
$$2zk \sqrt[4]{7z^3k}$$

$$6) \sqrt[4]{81}$$
$$3$$

$$2) \sqrt[3]{40}$$
$$2 \sqrt[3]{5}$$

$$7) \sqrt{245}$$
$$7 \sqrt{5}$$

$$3) \sqrt{243c^5}$$
$$9c^2 \sqrt{3c}$$

$$8) \sqrt{75w^7t^5}$$
$$5w^3t^2 \sqrt{3wt}$$

$$4) \sqrt[3]{875p^4x^2}$$
$$5p \sqrt[3]{7px^2}$$

$$9) \sqrt[4]{567k^3}$$
$$3 \sqrt[4]{7k^3}$$

$$5) \sqrt[5]{1215n^4}$$
$$3 \sqrt[5]{5n^4}$$

$$10) \sqrt[5]{243g^5}$$
$$3g$$

